

INTERNATIONAL SEARCH REPORT

Intern. Application No
PCT/IB 03/04892

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01R31/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01R G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 432 461 A (HENLEY FRANCOIS J) 11 July 1995 (1995-07-11) claim 7	1, 12
A	US 6 147 617 A (KIM CHUL YONG) 14 November 2000 (2000-11-14) figure 4A	1-3, 12, 16
A	EP 0 599 623 A (SHARP KK) 1 June 1994 (1994-06-01) page 4, line 10 - page 4, line 41	1, 12, 16

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

9 February 2004

Date of mailing of the international search report

18/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Vytlačilová, L

INTERNATIONAL SEARCH REPORT

Internat ☐ Application No
PCT/IB 03/04892

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5432461	A	11-07-1995	JP 3275103 B2 JP 5273590 A	15-04-2002 22-10-1993
US 6147617	A	14-11-2000	NONE	
EP 0599623	A	01-06-1994	JP 2915725 B2 JP 6082836 A DE 69330669 D1 DE 69330669 T2 EP 0599623 A2 KR 125465 B1 US 5532615 A	05-07-1999 25-03-1994 04-10-2001 04-07-2002 01-06-1994 10-04-1998 02-07-1996

BEST AVAILABLE COPY